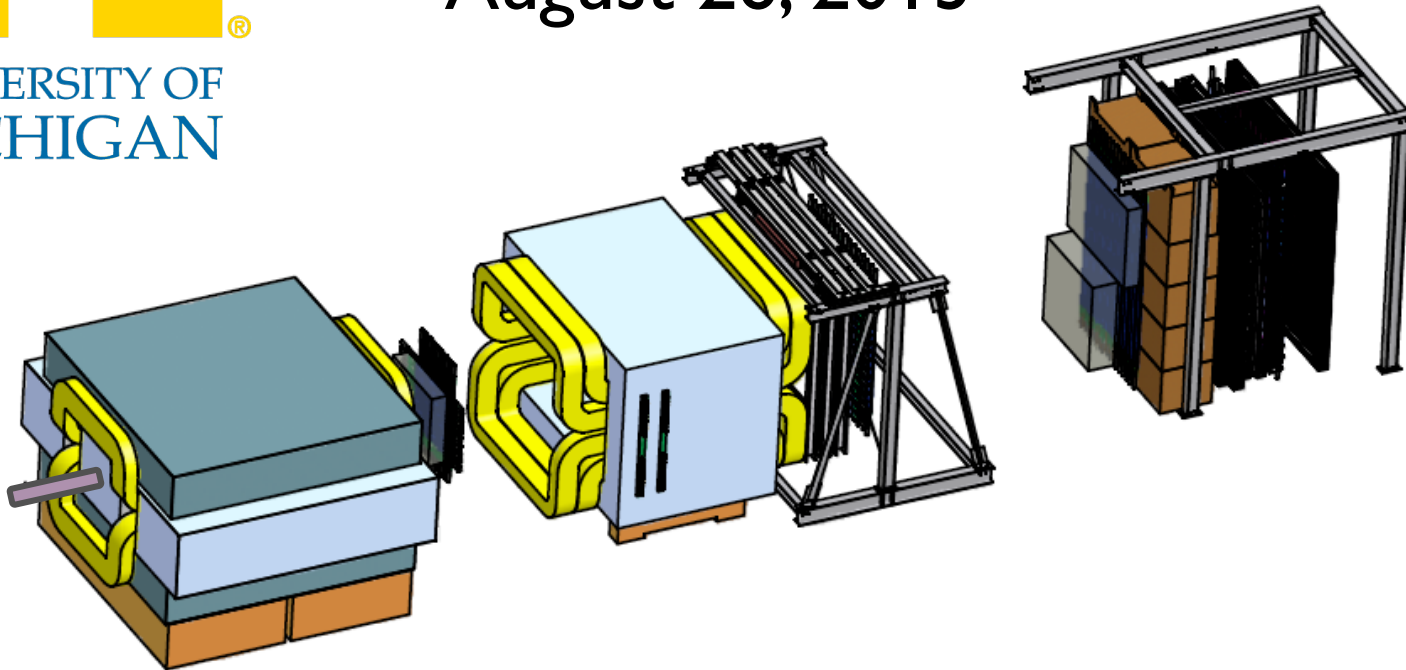


# SeaQuest AEM Report



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# beamline

- as of today's work, 560' (~75%) of stainless steel sleeve welded, vacuum tested, and pulled
- remaining pipe is being lowered into G2, and will likely be ready to pull next week
- some magnet alignment being done in parallel with sleeving
- we expect completion of sleeving and beamline around the end of October

# Cherenkov intensity monitor (bucket-by-bucket intensity measurement)

- Most hardware and software complete and installed
- Adjustments to readout electronics in progress



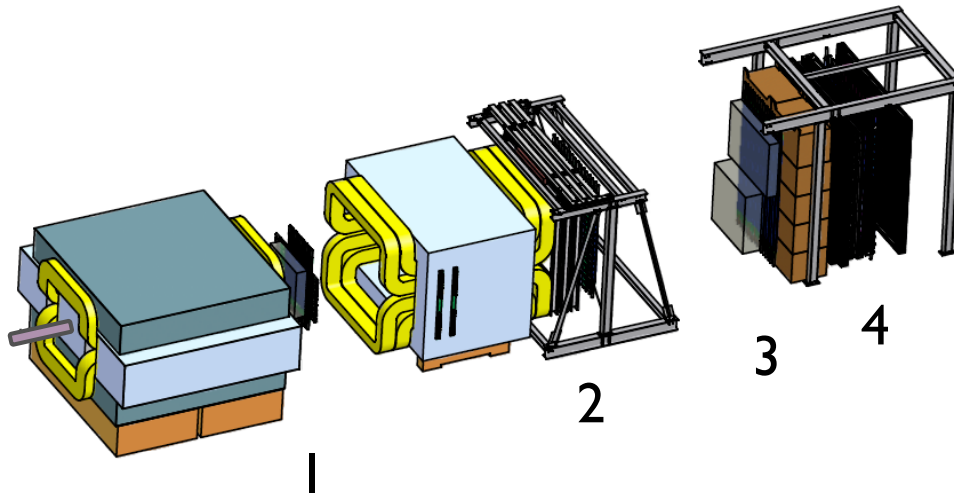
## targets

- Required safety inspection complete and concerns addressed
- Ine pneumatic valve needs to be replaced
- Cryotarget cooldown test next week



# drift chambers

St. I 'u'  
and 'x'



Station

Status

I

3 views: 'u' and 'x' in position, 'v' ready to move, all repairs complete

2

*~in position/ready~*

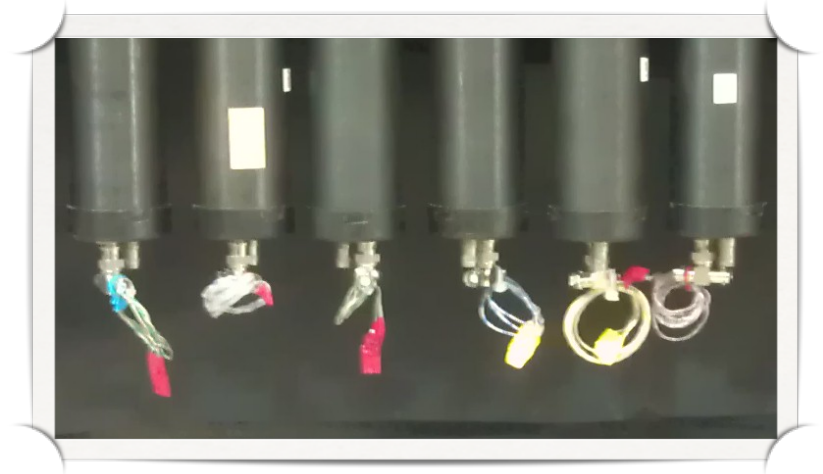
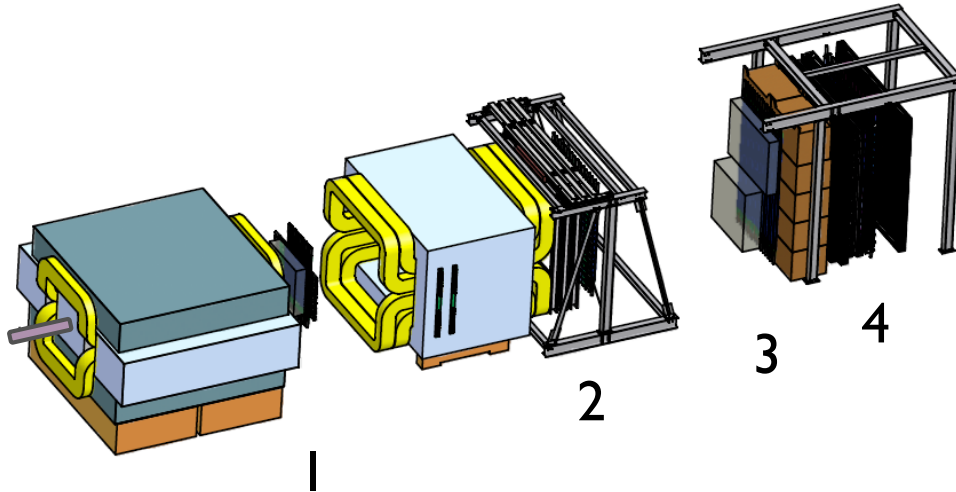
3+

*~in position/ready~*

3- (upgrade)

ready to hang

# trigger hodoscopes



all clip-lines installed

Station

Status

1

will be craned into position after final SI  
drift chamber view in place

2 + 3 + 4

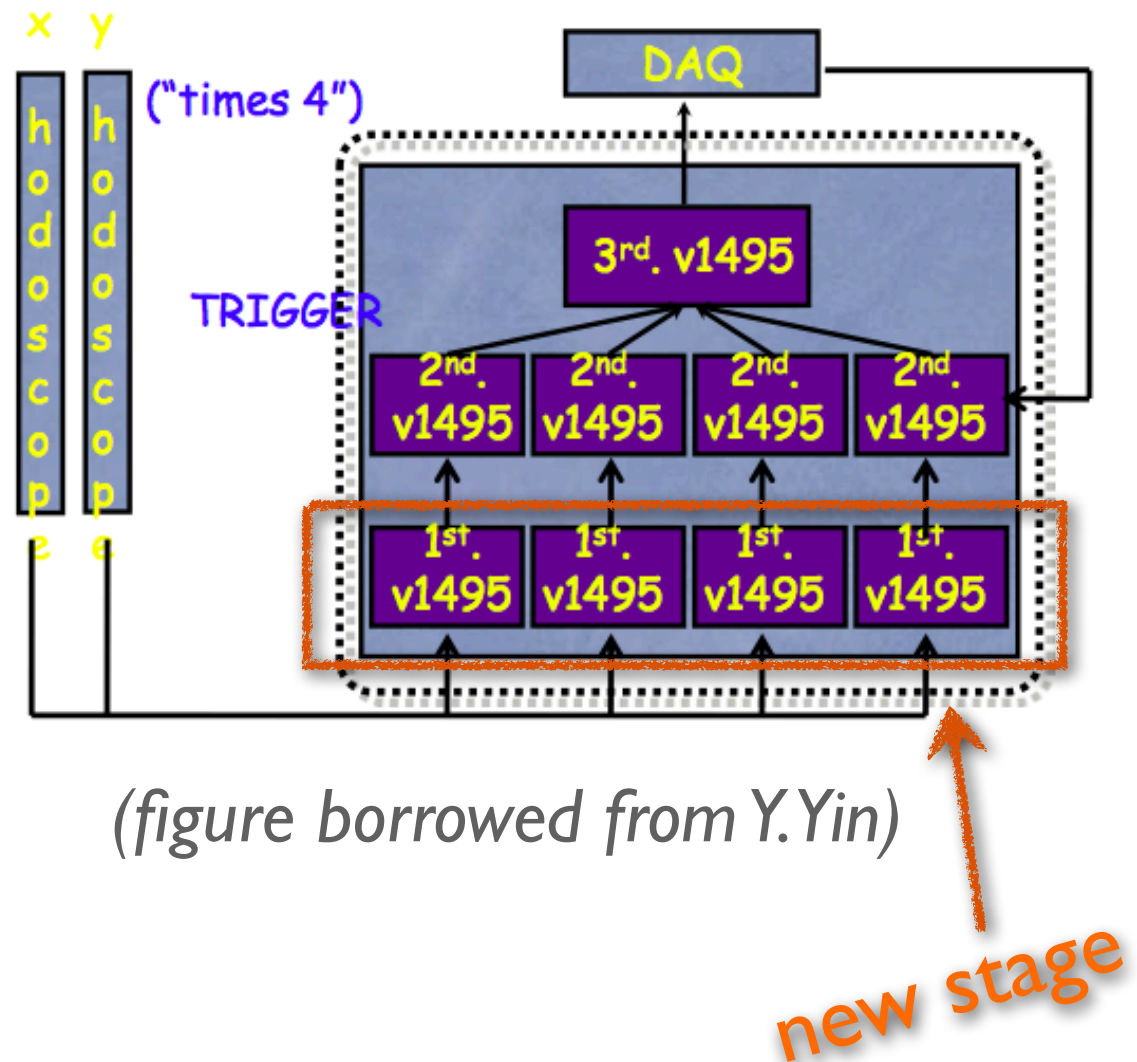
gain matching



# trigger electronics upgrade

A new stage of V1495 FPGA boards provide two new diagnostic features:

1. inject test patterns
2. read trigger inputs without interfering with live-time calculation



(figure borrowed from Y.Yin)

new stage